



South Carolina NEDSS Base System Installation Programmatic and Technical Preparation

South Carolina Department of Health and
Environmental Control (DHEC)

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CGH Technologies, Inc.

Programmatic Landmarks

1997-2003

- *Integrated organization of DHEC: 46 counties (13 districts) report to Central Office*
- *All C.D. program and surveillance/epi functions are integrated in Bureau of Disease Control*
- Pre-NBS ELR work: 1997-98 – one hospital
- Assessment and Planning Grant: Oct. 2000 – mechanism to plan integrated functional requirements
- Strategic planning with agency BIS: summer 2000 – BIS sits on NEDSS Committee

Programmatic Landmarks II

- Concept discussions on needed functions, with HIV, STD, TB, Immunization, Pb, etc.
- Hired IT contractor (CGH): Spring 2001
- Weekly NEDSS meetings: Fall 2001-
Decision to invest in NBS
- NEDSS Security Assessment: Summer 2002
- Hired Bureau IT Manager: Fall 2002
- Negotiations to implement NBS early:
Parallel testing May-June 2003

NBS Preparation

- Coordinated with Bureau of Information System to enable use of SQL Server in an emerging DB2 environment
- Selected and assigned a full-time NEDSS Technical Project Coordinator & SQL Server DBA to work with NBS and database
- Developed and established a NBS SQL Server database from first LDM published in Nov 2001(updated and maintained as required)
- Established technical infrastructure from emerging specification

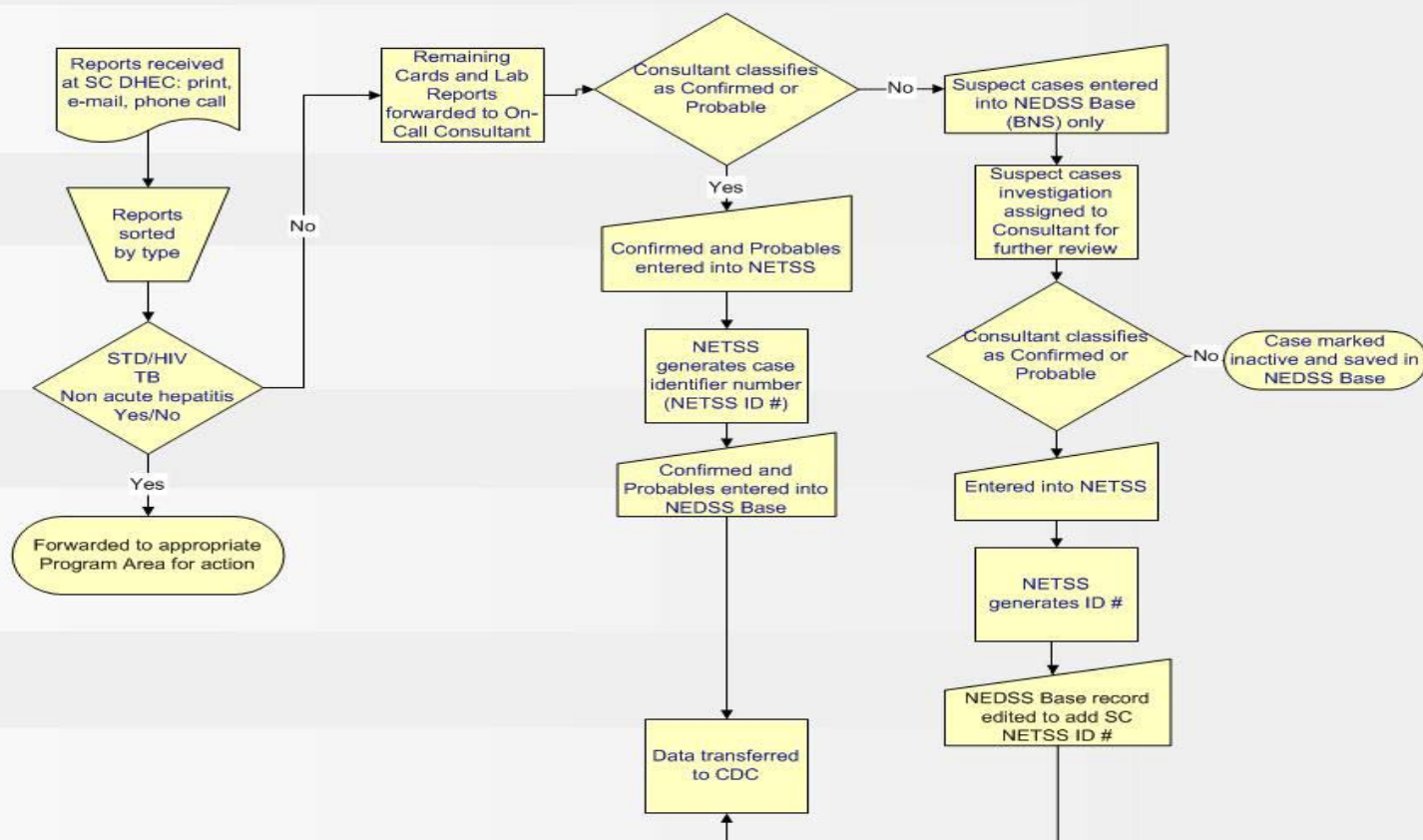
NBS Preparation

- Conducted complete IT Security assessment (shared with BIS re:HIPAA)
- Began development of Program Area applications using NEDSS standards and NBS database
- Commenced Electronic Laboratory Reporting (ELR) project with w/local hospital – Purchased eLink (shared with BIS who is using for HIPAA Claims project and other data management tasks)
- Refined technical infrastructure as required
- Developed plan to integrate on-going projects with NBS subsequent to installation and deployment

NBS Installation/Deployment

- Physical Installation completed in less than 6 hours
- Developed Bulk Load scripts to South Carolina'ize NBS reference tables
- Began parallel testing, “Go Live”, with 53 reportable diseases
- On-going dialogue with Epi staff to develop operational procedures using NBS

Initial NBS/NETSS Process Flow



Formula for Success

- Start early and dedicate:
 - necessary/experienced staff
 - \$'s
- Coordinate/coordinate/coordinate
- Contact any of the SC Project Staff:
 - Dr. Gibson, State Epidemiologist and Bureau Chief
 - Kenneth R. Stuber, Dir, SE Division of CGH
 - Dr. Eric Brenner, Consultant Epidemiologist
 - Peter Richards, Bureau IT Manager
 - Ken C. Stuber, DBA and Senior Analyst